HYUNDAI

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USER MANUAL

HHD1250

HOME POWER SERIES

REVIEW MANUAL CAREFULLY TO AVOID PERSONAL INJURY

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HYUNDAI

PREFACE

Thank you for purchasing a Hyundai Portable generator. Please register your product in order for us to ensure your continuous satisfaction with our product.

This manual covers the safety, operation and maintenance procedures for the HHD1250 model.

All information in this publication is based on the latest product information available at the time of approval for printing.

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If a problem should arise, please contact us by using the contact information at the end of this manual.

It is important that this manual be read and fully understood before operating the generator set. Failure to do so may cause serious injuries or equipment damage.

Contents

1. SAFETY PRECAUTIONS
   - 1.1) SAFETY LABELS..... 3
   - 1.2) OPERATION SAFETY..... 3
   - 1.3) AC SAFETY GUIDELINES..... 4
   - 1.4) MAINTENANCE SAFETY..... 4
   - 1.5) OTHER SAFETY HARZARDS..... 5

2. IDENTIFICATION OF COMPONENTS..... 6

3. PRE-OPERATION INSPECTION..... 11

4. OPERATION
   - 4.1) STARTING THE GENERATOR SET..... 16
   - 4.2) USING THE GENERATOR SET..... 18
   - 4.3) STOPPING THE GENERATOR SET..... 19

5. MAINTENANCE
   - 5.1) IMPORTANCE OF MAINTENANCE..... 20
   - 5.2) MAINTENANCE SCHEDULE..... 20
   - 5.3) AIR FILTER SERVICE..... 22
   - 5.4) CHANGING ENGINE OIL..... 24
   - 5.5) SPARK PLUG SERVICE..... 25
   - 5.6) HANDLING & STORAGE..... 26

6. TROUBLESHOOTING..... 28

7. SPECIFICATIONS AND DATA..... 31

8. WIRING DIAGRAMS..... 32

9. WARRANTY..... 33

10. GLOSSARY..... 36

11. QUESTIONNAIRE..... 38

1. SAFETY PRECAUTIONS

1.1) SAFETY LABELS

> **DANGER**
>
> This symbol warns of hazards which can result in severe or lethal personal injury.

> **WARNING**
>
> This symbol refers to a hazardous or unsafe practice which has the potential to result in personal injury or product/property damage.

> **CAUTION**
>
> This symbol warns of immediate hazards which will result in severe or lethal personal injury.

1.2: OPERATIONS SAFETY

- Always perform a pre-operation check before starting the engine.
- Properly clean and maintain the equipment.
- Operate the generator according to instructions for safe and dependable service.
- Before operating the generator, read the user manual carefully. Otherwise, it may result in personal injuries or equipment damage.
- Never run the generator in an enclosed area to avoid harm from exhaust emissions of a poisonous carbon monoxide gas.
- Be careful not to touch the exhaust system during operation because it can cause burns.
- Pay attention to the warning labels because the engine exhaust system will become heated during operation and remain hot immediately after the engine is stopped.
- Gasoline is a highly flammable and explosive liquid. Refuel in a

well ventilated area with the engine stopped.
- When refueling the generator, keep it away from cigarette, open flames, smoke and/or sparks.
- Connections for standby power to a building's electrical system must be done by a qualified electrician and must comply with all applicable laws and electrical codes. Improper connections may cause serious injuries to electrical workers during power outage, and when the utility power is restored, the generator may explode or cause fires.
- Place the generator at least 3ft away from buildings or other equipment during operation.
- Run the generator on a level surface. If the generator tilts, fuel spillage may result.
- Know how to stop the generator quickly and understand operation of all the controls. Never permit anyone to operate the generator without proper instructions.
- Keep children, pets and rotating parts away from the generator during operation.
- Do not operate the generator in rain or snow.
- Do not allow any moisture to come in contact with the generator.
- Do not touch the spark plug while the generator is operating and shortly after the generator has been shut down

1.3: AC SAFETY GUIDELINES

Before connecting the generator to an electrical device or power cord:
- Make sure that everything is in right working order. Faulty devices or power cords can lead to an electrical shock.
- Turn off the generator immediately if the device begins to operate abnormally. Then disconnect the device and investigate the problem.
- Make sure that the electrical rating of the device does not exceed that of the generator. If the power level of the device is between the maximum output power and the running power of the generator, the generator should not be used for more than 30 minutes.
- The connections from the generator to the household power supply should be done by professional electrical technicians. Improper connections may lead to a fire hazard or damages to the generator set.

1.4: MAINTENANCE SAFETY

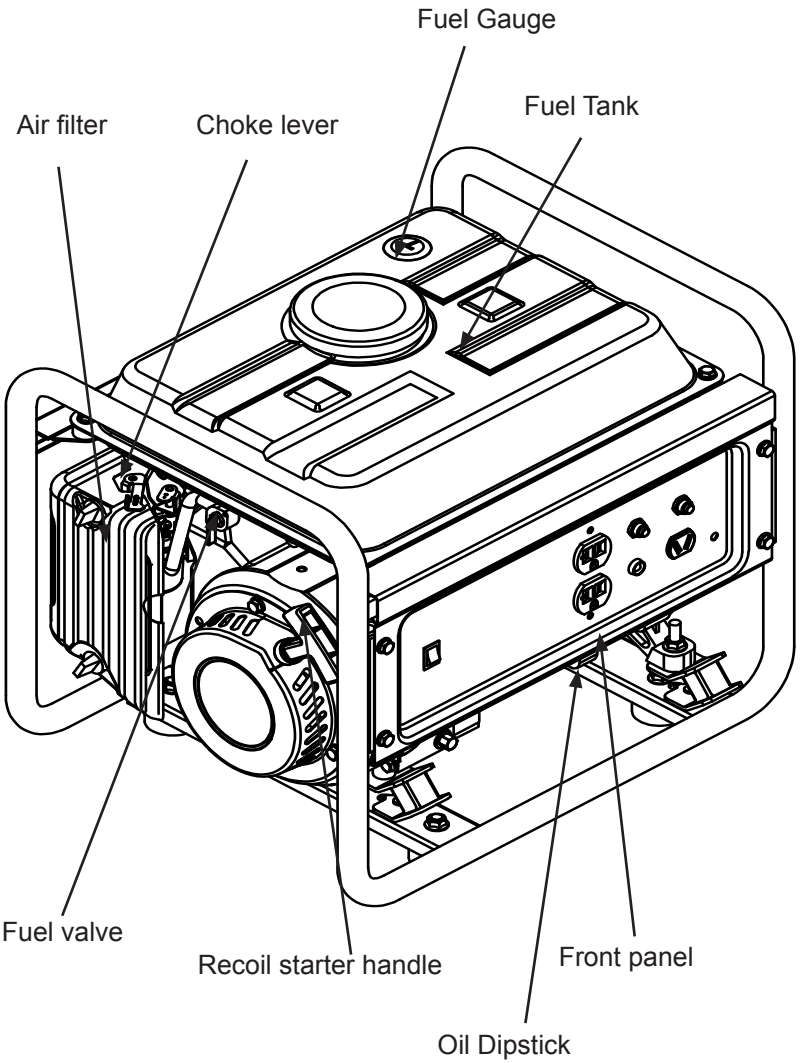
- After any maintenance is performed, wash your body immediately using soap and clean water because repeated exposure

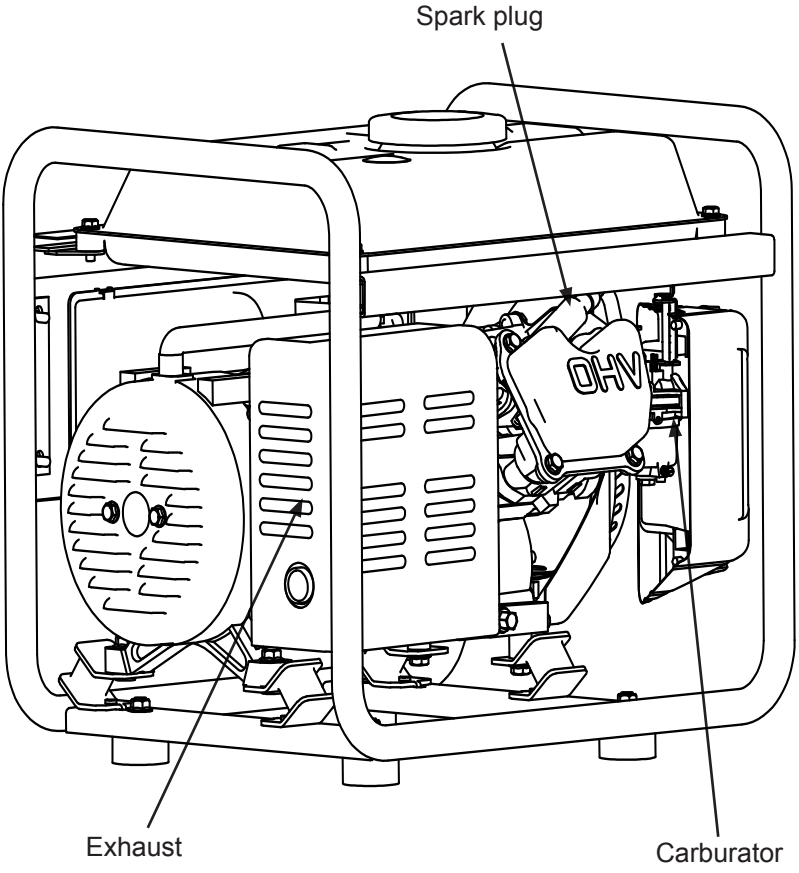
to lubricant may cause skin irritation.
- Do not clean the filter element with flammable fluids like gasoline because explosion may occur.
- Turn off the generator set before performing any maintenance. Otherwise it can cause severe. personal injury or death
- Allow the generator set to cool down before performing any maintenance.
- Always wear safety glasses when cleaning the generator set with air.
- Do not clean the generator set with a pressure washer because it can cause damage to the generator set.
- Before working with batteries, ventilate the area, wear safety glasses, do not smoke and always disconnect the negative cable first and reconnect it last.
- Use rubber gloves when coming into contact with engine oil.
- Always stop the generator set before removing the oil filler cap.
- Only qualified maintenance personnel with knowledge of fuels, electricity, and machinery hazards should perform maintenance procedures.

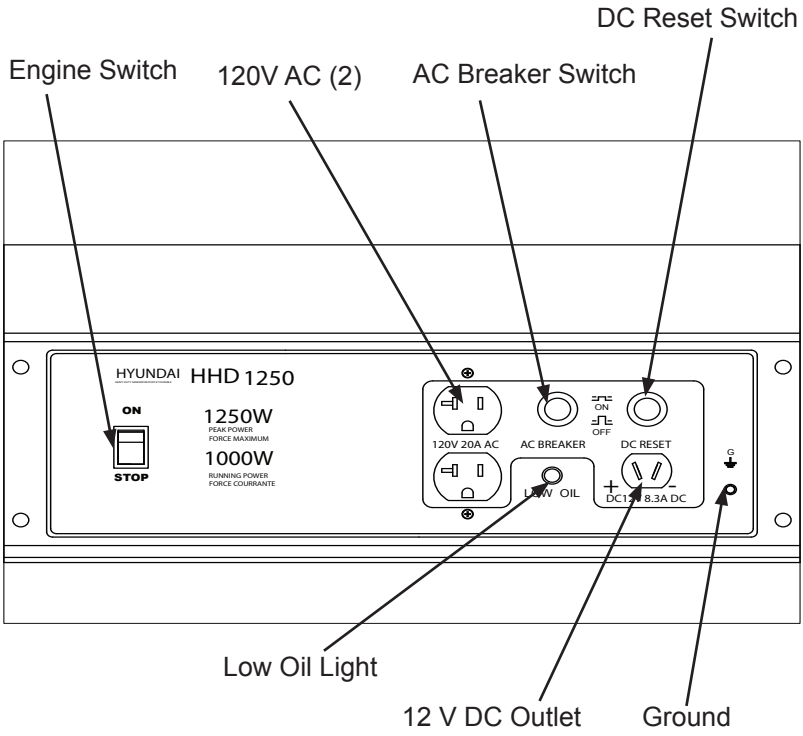
1.5: OTHER SAFETY HAZARDS

- To avoid breathing in poisonous carbon monoxide from the exhaust gases, adequate ventilation should be provided if the generator set is running in a partially enclosed space.
- If the generator set is stored outdoors, check all the electrical components on the control panel before each use. Moisture can damage the generator and can lead to an electric shock.

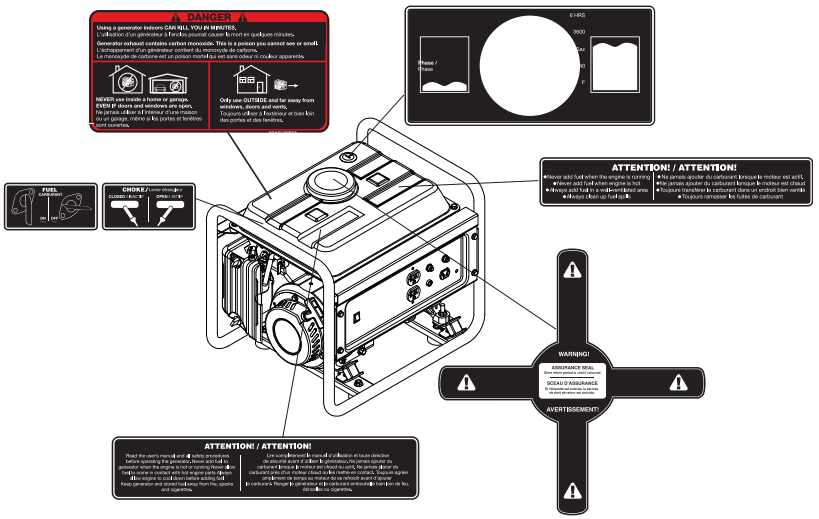
2. IDENTIFICATION OF COMPONENTS

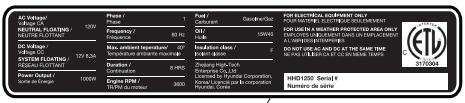


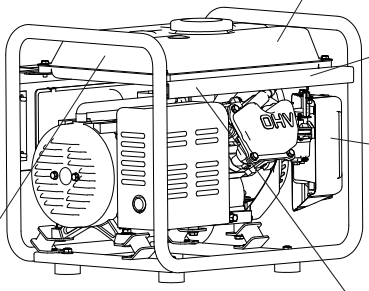

Spark plug
OHV
Exhaust
Carburator


DC Reset Switch
Engine Switch
120V AC (2)
AC Breaker Switch
HYUNDAI HHD 1250
ON
STOP
1250W
PEAK POWER
FORCE MAXIMUM
1000W
RUNNING POWER
FORCE COURRANTE
120V 20A AC
AC BREAKER
ON
OFF
DC RESET
LOW OIL
DC12V 8.3A DC
Low Oil Light
12 V DC Outlet
Ground

LABEL PLACEMENT


DANGER
Using a generator indoors CAN KILL YOU IN MINUTES.
L'utilisation d'un générateur à l'intérieur pourrait causer la mort en quelques minutes.
Generator exhaust contains carbon monoxide. This is a poison you cannot see or smell.
L'échappement d'un générateur contient du monoxyde de carbone.
Le monoxyde de carbone est un poison mortel qui est sans odeur ni couleur apparentes.
NEVER use inside a home or garage, EVEN IF doors and windows are open.
Ne jamais utiliser à l'intérieur d'une maison ou un garage, même si les portes et fenêtres sont ouvertes.
Only use OUTSIDE and far away from windows, doors, and vents.
Toujours utiliser à l'extérieur et loin des portes et des fenêtres.
Phase / Phase
6 HRS
3600
FUEL
CHOKE / Starter (Enrichisseur)
CLOSED / FERMÉ
OPEN / OUVERT
ATTENTION! / ATTENTION!
Never add fuel when the engine is running
Never add fuel when engine is hot
Always add fuel in a well-ventilated area
Always clean up fuel spills
Ne jamais ajouter du carburant lorsque le moteur est actif.
Ne jamais ajouter du carburant lorsque le moteur est chaud
Toujours transférer le carburant dans un endroit bien ventilé
Toujours ramasser les fuites de carburant
WARNING!
ASSURANCE SEAL
Warranty void if seal is removed
SCEAU D'ASSURANCE
Garantie annulée si le sceau est retiré
AVERTISSEMENT!
ATTENTION! / ATTENTION!
Read the user's manual and all safety precautions before operating the generator. Never add fuel to generator when the engine is hot or running. Never add fuel to some in enclosed area or engine parts (eg muffler) are hot. Allow engine to cool. Clean up fuel spills. Keep generator and stored fuel away from fire, sparks and cigarettes.
Lire son manuel d'utilisation et toute directive de sécurité avant d'utiliser la génératrice. Ne jamais ajouter du carburant lorsque le moteur est chaud ou actif. Ne jamais ajouter du carburant à un endroit fermé où les pièces du moteur (comme le silencieux) sont chaudes. Laisser refroidir le moteur. Nettoyer les déversements de carburant. Tenir la génératrice et le carburant entreposé loin du feu, étincelles et cigarettes.


AC Voltage / Voltage CA
NEUTRAL FLOATING / NEUTRE FLOTTANT
120V
DC Voltage / Voltage CC
SYSTEM FLOATING / RÉSEAU FLOTTANT
12V 8.2A
Power Output / Puissance Énergie
1000W
Phase / Phase
1
Frequency / Fréquence
60 Hz
Max. ambient temperature / Température ambiante maximale
40°
Duration / Continuation
6 HRS
Engine RPM / TR/PM du moteur
3600
Fuel / Carburant
Gasoline/Gaz
Oil / Huile
10W40
Insulation class / Isolation classe
F
Zhejiang Hige Tech Enterprise Co.,Ltd. Licensed by Hyundai Corporation, Korea/Licencié par la Corporation Hyundai, Corée
FOR ELECTRICAL EQUIPMENT ONLY
POUR MATÉRIEL ÉLECTRIQUE SEULEMENT
FOR USE IN A WEATHER PROTECTED AREA ONLY
EMPLOYER UNIQUEMENT DANS UN EMPLACEMENT À L'ABRI DES INTEMPÉRIES
DO NOT USE AC AND DC AT THE SAME TIME
NE PAS UTILISER CA ET CC EN MEME TEMPS
3176004
HHD1200 Serial #
Numéro de série


IMPORTANT / IMPORTANT
DO NOT RETURN THE PRODUCT TO THE STORE.
For technical support or for more product info, please call 1-[illegible] or visit [illegible]
www.hyundaipowerus
NE RETOURNEZ PAS LE PRODUIT AU MAGASIN D'ACHAT
Pour de l'assistance technique ou de l'information [illegible] rendez-vous [illegible]
www.hyundaipowerus.ca
AIR CLEANER MAINTENANCE
Rinse with cleansing solvent and dry. Wash filter with solvent every 45 to 50 hours of operation. Wash filter once every 10 hours if operating under dusty conditions. Immerse the filter into engine oil when clean and dry, then squeeze out excessive oil and reinstall.
ENTRETIEN DU FILTRE À AIR
Rincer avec un liquide nettoyant et faire sécher.
Laver le filtre avec un liquide nettoyant après chaque 45 à 50 heures d'utilisation.
Laver le filtre une fois à chaque 10 heures si vous l'utilisez en conditions poussiéreuses.
Plonger le filtre dans du carburant à moteur une fois bien lavé et séché, ensuite enlever le liquide excédu et réinstaller le filtre.
ATTENTION!
Read, understand and follow all safety and operating instructions provided in the user's manual before the instructions and labels, serious injuries and equipment damage. Never add fuel when the engine is running. Never add fuel when engine is hot. Never add fuel in some enclosed area or engine parts (eg muffler) are hot. Allow engine to cool. Clean up fuel spills. Keep generator and stored fuel away from fire, sparks and cigarettes. Operating the generator in wet or damp conditions could lead to severe or electrocution. Always keep the generator dry and do not touch it with wet hands. Always keep the generator in a well-ventilated area. Exhaust fumes contain carbon monoxide, a poisonous gas that is harmful if breathed. Never connect to an electrical outlet with less than 4 prongs or has a broken ground. Never connect to an electrical outlet with less than 4 prongs or has a broken ground has been removed by a qualified technician.
ATTENTION!
Toujours lire, comprendre et suivre toutes directive de sécurité et d'opération indiquées dans le manuel d'utilisateur, ainsi que les directives et étiquettes, afin d'éviter des blessures graves et des dommages à l'équipement. Ne jamais ajouter du carburant lorsque le moteur est actif. Ne jamais ajouter du carburant lorsque le moteur est chaud. Ne jamais ajouter du carburant à un endroit fermé où les pièces du moteur (comme le silencieux) sont chaudes. Laisser refroidir le moteur. Nettoyer les déversements de carburant. Tenir la génératrice et le carburant entreposé loin du feu, étincelles et cigarettes. L'utilisation de la génératrice dans des conditions humides ou mouillées pourrait causer des blessures graves ou électrocution. Toujours garder la génératrice au sec et ne pas la toucher avec les mains mouillées. Toujours utiliser la génératrice dans un endroit bien ventilé. Les gaz d'échappement contiennent du monoxyde de carbone, un gaz toxique nocif lorsqu'inspiré. Ne jamais brancher sur une prise électrique d'un bâtiment sans avoir fait un commutateur de transfert par un technicien qualifié. Toujours garder la génératrice dans un endroit sec.
ATTENTION! / ATTENTION!
HOT SURFACE!
KEEP CLEAR OF EXHAUST!
SURFACE CHAUDE! GARDER À L'ÉCART DE L'ÉCHAPPEMENT DU MOTEUR

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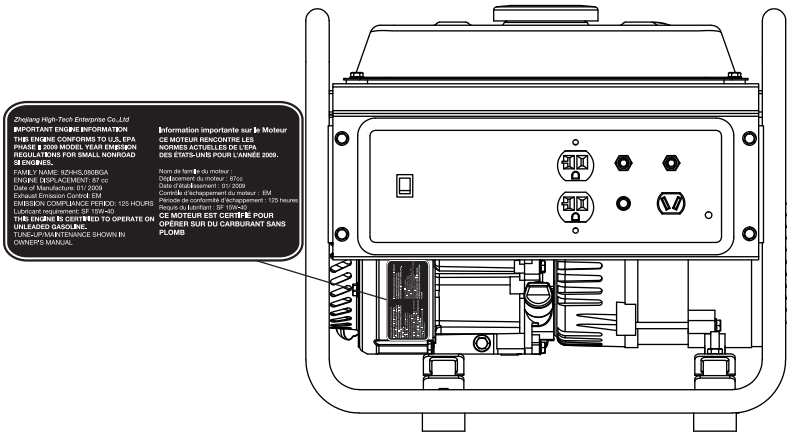
LABEL PLACEMENT


Zhejiang High-Tech Enterprise Co.,Ltd
IMPORTANT ENGINE INFORMATION
THIS ENGINE CONFORMS TO U.S. EPA PHASE 3 2009 MODEL YEAR EMISSION REGULATIONS FOR SMALL NONROAD SI ENGINES.
FAMILY NAME: 9ZHVS.080BGA
ENGINE DISPLACEMENT: 87 cc
Date of Manufacture: 01/ 2009
Exhaust Emission Control: EM
EMISSION COMPLIANCE PERIOD: 125 HOURS
Lubricant requirement: SF 15W-40
THIS ENGINE IS CERTIFIED TO OPERATE ON UNLEADED GASOLINE.
TUNE-UP/MAINTENANCE SHOWN IN OWNER'S MANUAL
Information importante sur le Moteur
CE MOTEUR RENCONTRE LES NORMES ACTUELLES DE L'EPA DES ETATS-UNIS POUR L'ANNÉE 2009.
Nom de famille du moteur :
Déplacement du moteur : 87cc
Date d'établissement : 01/ 2009
Contrôle d'échappement du moteur : EM
Période de conformité d'échappement : 125 heures
Requis du lubrifiant : SF 15W-40
CE MOTEUR EST CERTIFIÉ POUR OPÉRER SUR DU CARBURANT SANS PLOMB

3. PRE-OPERATION INSPECTION

⚠ WARNING

Exhaust gas contains poisonous carbon monoxide. Never run the generator in an enclosed area. Be sure to provide adequate ventilation

Operate the generator on a level surface. If the generator is tilted, fuel spillage may result

Keep away from rotating parts while the generator is running.

CAUTION

The generator is air-cooled and may be damaged if ventilation is inadequate

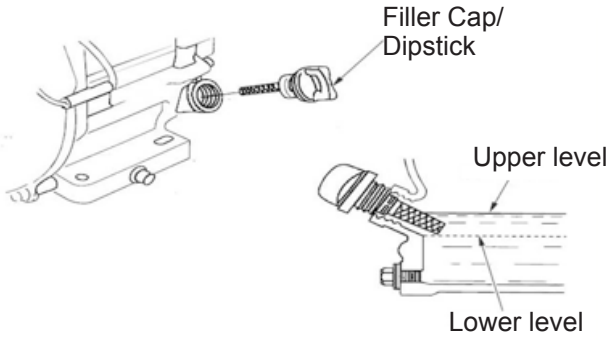
1. Ensure the generator is on a level surface
2. **Inspect engine oil:**

CAUTION

Engine oil is a major factor affecting engine performance and service life. Non-detergent or vegetable oils are not recommended.

- Take out the oil filler cap and clean the dipstick.
- Check the oil level by reinserting the oil filler cap without rotating it. Remove the oil filler cap and examine the oil level. If the oil level is at or below the lower level, refill the oil to the upper limit mark.
- Reinsert the oil filler cap and tighten securely. (Refer to Fig. 3.0)

Fig. 3.0



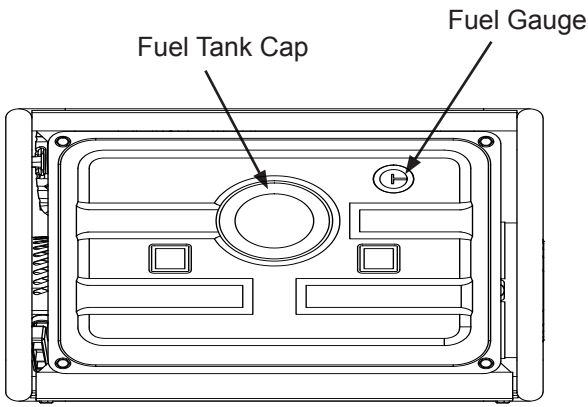
NOTICE
When the oil level is low, the low oil light on the control panel will flash and the engine will automatically shut down. Then take off the oil dipstick to check the oil level

CAUTION
Running the engine with insufficient oil can cause serious engine damage.

Fuel level check

- Check the fuel level by reading the gauge or removing the fuel tank cap and visually check the level.
- Refuel if level is too low. Tighten the fuel tank cap securely after filling. (Refer to Fig. 3.1)

Fig. 3.1



NOTICE:
If the fuel gauge needle is at the “E” position, it means that the fuel tank is empty. If the needle is at the “F” position, it means that the fuel tank is full.

⚠ WARNING

Gasoline is highly flammable and explosive under certain conditions. Refuel in a well-ventilated area with the engine stopped

Do not smoke or allow open flames or sparks in the area where the generator is refueled or where gasoline is stored. Do not overfill the tank

Be careful not to spill fuel when refueling. Wipe up any spill gasoline and let the area dry before starting the engine.

CAUTION

Gasoline substitutes, such as gasohol etc., are not recommended, they may be harmful to the fuel system components.

Check the air filter

1. Loosen the knob and remove the air filter cover. Remove the air filter element and observe for cleanliness. (Refer to Fig. 3.2)

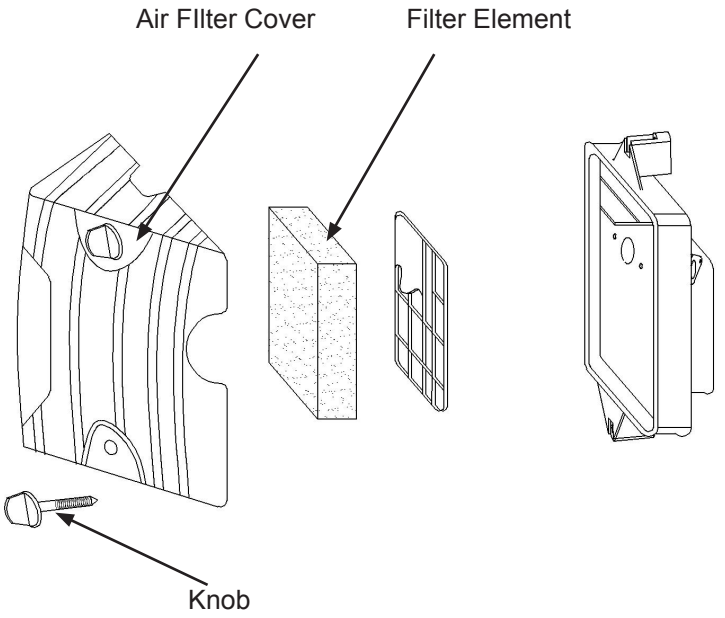


Fig. 3.2

2. Clean the air filter element with soap and water or solvent. Squeeze dry and then soak in clean engine oil.
3. Squeeze out all excess oil and reinstall.
4. Replace the element if it is damaged.

CAUTION

Do not connect the generator to a household electrical circuit. This could cause an overload and seriously damage the generator.

Do not exceed the current limit specified for any one receptacle

Be sure that devices do not exceed the generator's running power for more than 30 minutes and that they never exceed the maximum power output of the generator. Substantial overloading will switch off the circuit breaker. Marginal overloading may not switch off the circuit breaker, but it will shorten the service life of the generator.

Be sure that all devices are in good working order before connecting them to the generator. If a device begins to operate abnormally, becomes sluggish, or stops suddenly, turn off the circuit breaker and the generator engine switch immediately. Then disconnect the device and examine it for signs of malfunction.

4.1: STARTING THE GENERATING SET

GROUND TERMINAL

> **WARNING**
>
> To prevent electrical shock from faulty appliances the generator should be grounded. Connect a length of heavy wire between the ground source and the terminal at the rear of the control box.

Before using generator, a ground wire must be connected to the ground terminal.

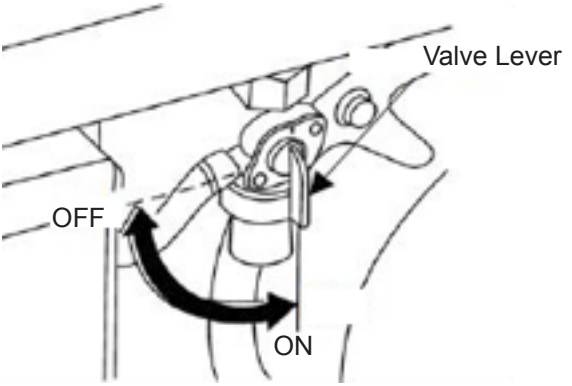
Before using the ground terminal, consult a qualified electrician.

Ground Terminal Symbol:

For HHD1250 (Recoil Start)

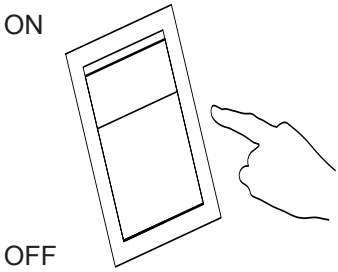
1. Before starting the engine, do not connect the device to the generator.
2. Turn the AC breaker switch to “OFF”
3. Turn the fuel valve lever to “ON” (Vertical position). Refer to Fig. 4.0

Fig. 4.0



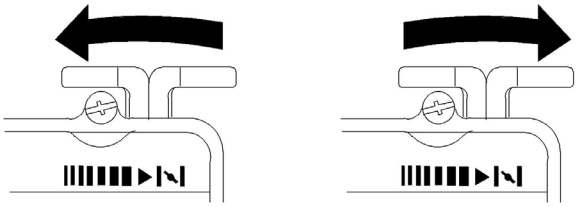
4. Turn the engine switch to “ON”. Refer to Fig. 4.1

Fig. 4.1



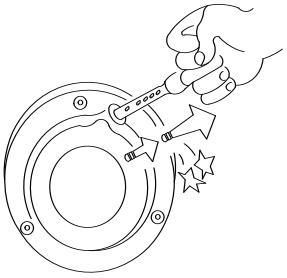
5. Close the choke lever according to the arrow's direction shown in the right diagram below. Not necessary if the engine is warm. Refer to Fig. 4.2.

Fig. 4.2 to OPEN position to CLOSE position



6. Pull the recoil starter handle slowly and return the handle to its original position. Repeat this step until the engine starts. Refer to Fig. 4.3

Fig. 4.3



CAUTION

Do not allow the starter grip to snap back. Return it slowly by hand.

7. After the engine warms up, move the choke lever back to the original position

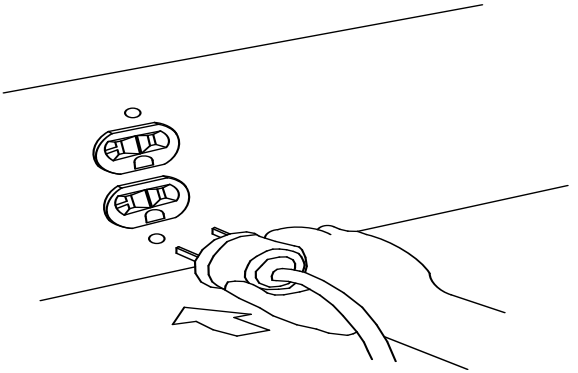
NOTE:
Do not use the choke if the engine is warm or if the air temperature is high (above 50°F)

4.2: Using the Generator Set

AC Operation

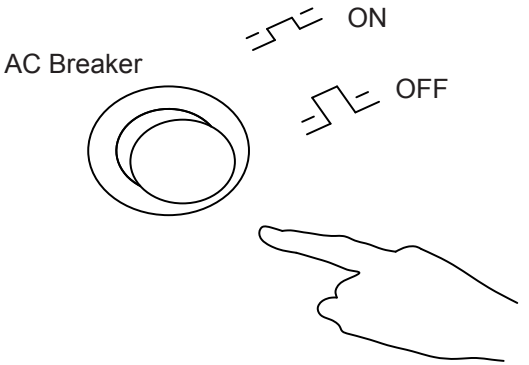
1. Turn off the switches of the device before connecting to the generator
2. Start the generator
3. Insert the plugs of the devices into the AC 120V receptacles. Refer to Fig. 4.4

Fig. 4.4



4. Turn the AC Circuit Breaker to the ON position and turn on the device. (Refer to Fig. 4.5)

Fig. 4.5



DC Operation

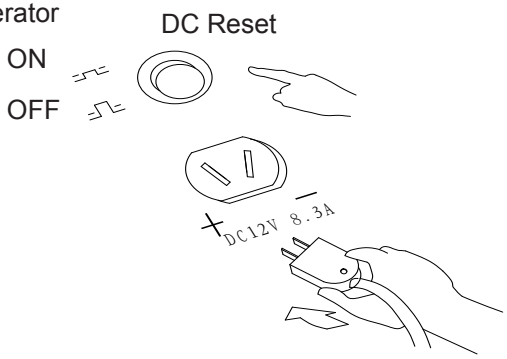
NOTICE:
The DC socket can only be used for charging a 12V battery

1. Connecting the battery charging wires
   a) Connect the battery charging cable to the battery

> **⚠ WARNING**
>
> Batteries produce explosive gases. Keep sparks, flames, and cigarettes away from the battery. Provide adequate ventilation when charging or using batteries. Battery posts, terminals, and related accessories contain lead components. Wash hands after handling

   b) Plug the charging wires into the DC receptacle of the generator.
   c) Connect the positive (red) terminal of the charging wire to the positive (+) battery terminal and negative (black) terminal of the charging wire to the negative (-) battery terminal
2. Press the engine switch to the ON position
3. Press the DC Reset switch to the ON position (Refer to Fig. 4.6)
4. Start the generator

Fig. 4.6



4.3: STOPPING THE GENERATOR SET

1. Turn off all the connected devices
2. Allow the generator set to run for a few minutes to cool down.
3. Stop the generator set by pressing the ON/OFF switch to the OFF position until the generator set stops.
4. Rotate the fuel valve back to the OFF position (horizontal position)

5. MAINTENANCE

5.1: Importance of Maintenance

Proper maintenance is important because it will ensure safe, economical and trouble-free operation. It will also reduce air pollution. Improper maintenance may cause the generator to malfunction and can lead to serious injuries or death.

5.2: Maintenance Schedule

> **⚠ WARNING**
>
> Shut off the engine before performing any maintenance. When the engine is running, make sure the area is well ventilated. The exhaust contains poisonous carbon monoxide gas.

NOTE: Some of these maintenance techniques can be dangerous and should be performed by a qualified technician

Item	Remarks	Pre-oper-ation check (daily)	Initial 1 month or 20 hr	Every 3 months or 50 Hr	Every 6 months or 100 Hz	Every 12 months or 300 Hr
Spark Plug	Check condition adjust gap and clean. Replace if necessary		●	●		
Engine Oil	Check Oil level	●	●	●		
	Replace		●		●	
Air Filter	Clean. Replace if necessary	●	●	●		
Fuel Filter	Clean fuel cock filter. Replace if necessary	●	●		●	
Valve Clear-ance	Check and adjust when engine is cold		●			●
Fuel Line	Check fuel hose for crack or dam-age. Replace if necessary	●	●			●

Exhaust System	Check for leakage. Retighten or replace gasket if necessary	•	•			
	Check muffler screen. Clean/ replace if necessary				•	
Carburetor	Check choke operation	•			•	
Cooling System	Check fan damage		•			
Starting System	Check recoil starter operation	•	•			
Decarbonization	More frequently if necessary					•
Fittings/ Fasteners	Check all fittings and fasteners correct if necessary		•		•	

5.3: Air Filter Service

> **⚠ WARNING**
>
> Do not use gasoline or low flash point solvents for cleaning. They are flammable and explosive under certain conditions

1. Rotate the knob to release
2. Lift the air filter cover to remove from the air filter unit
3. Remove the foam filter element. Refer to Fig. 5.0

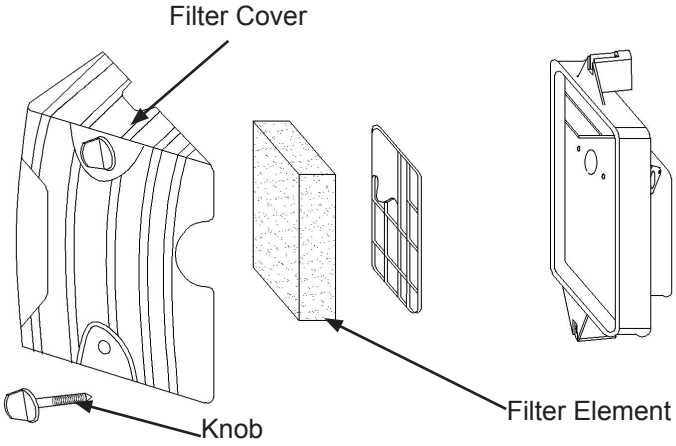
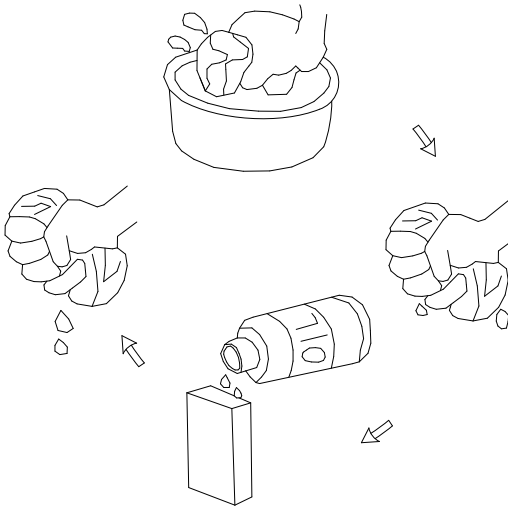


Fig. 5.0

4. If the foam filter element is dirty, clean it in warm soapy water, rinse, and allow it to dry thoroughly, or clean in nonflammable solvent and allow to dry
5. Drip the foam filter element in clean engine oil, then squeeze out all excess oil. The engine will smoke when started if too much oil is left in the filter. Refer to Fig. 5.1
6. Wipe dirt from the air filter unit and cover using a moist rag.

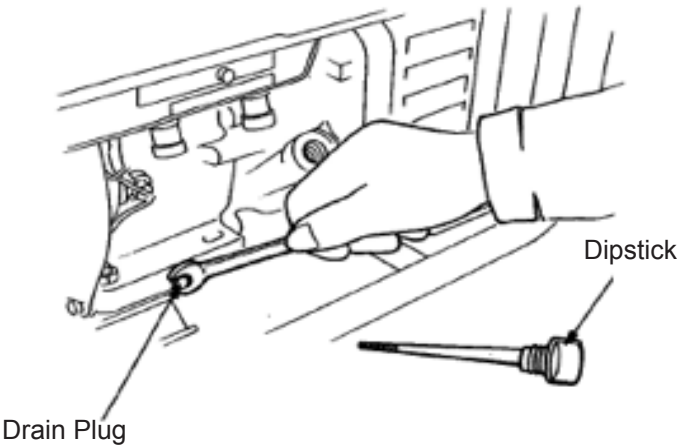
Fig. 5.1



5.4: Changing Engine Oil

1. Make sure the generator is placed on a flat, level surface
2. Start engine and run until it gets warm
3. Stop engine
4. Place oil pan or other container underneath the generator for holding oil
5. Keep oil filler cap to avoid oil spray
6. Use a wrench to remove the drain bolt and sealing washer
7. Slowly unscrew and remove the oil filler cap
8. Allow oil to completely drain into oil pan or container
9. Use clean cloth to wipe around oil fill and drain plug to clean any dirt and debris
10. Reinstall the sealing washer and drain plug bolt
11. Pour new engine oil into the oil fill hole
12. Check the oil level
13. Reinstall the oil filler cap (Refer to Fig. 5.2 and Fig. 3.0)

Fig. 5.2



CAUTION

Used motor oil may cause skin cancer if repeated contact with the skin for prolonged periods. Wash your hands with soap and water as soon as possible after handling used oil.

5.5: Spark Plug Service

1. Remove the spark plug cap
2. Clean any dirt and debris from around the spark plug base
3. Use a wrench to remove the spark plug. Refer to Fig. 5.3

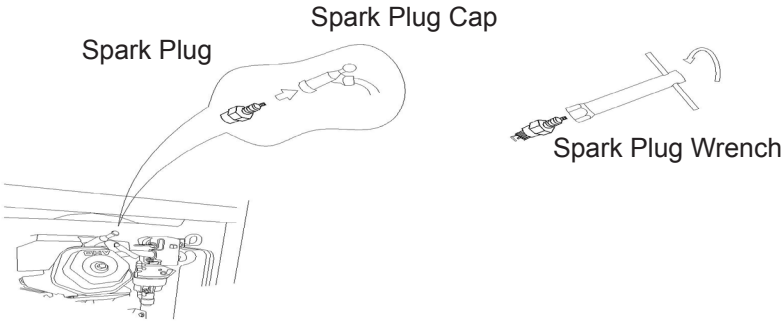


Fig. 5.3

4. Visually inspect the spark plug. Discard it if the insulator is cracked or chipped. Clean the spark plug with a brush if it is to be reused.
5. Measure the plug gap with a feeler gauge. The gap should be 0.7 to 0.8 mm (0.028 to 0.031 inch). Correct as necessary by carefully bending the side electrode. Refer to Fig. 5.4

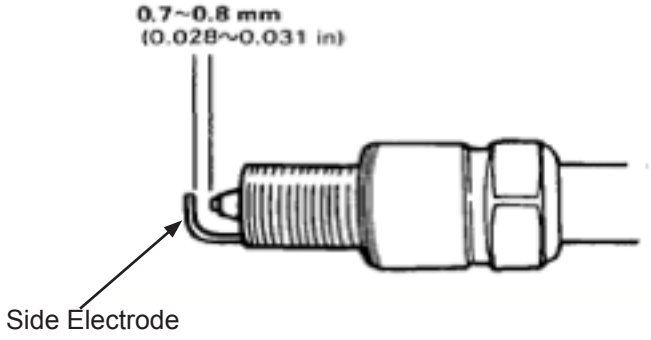


Fig. 5.4

6. Install the correctly gapped spark plug back into the original position.

CAUTION

The spark plug must be securely tightened. An improperly tightened plug can damage the generator.

5.6: Handling & Storage

WARNING

When transporting the generator, shut off the fuel valve and keep the generator level to prevent fuel spillage. Fuel vapor or spilled fuel may ignite.

Handling

1. Turn off the engine switch and the fuel valve when transporting the generator set.
2. Do not touch the generator until the fuel choke is in the OPEN position because the engine is warm
3. Keep the generator at a level position in order to prevent spillage

Storage

Before storing the generator set for an extended period:

1. Ensure that the storage area is free of excessive humidity and dust
2. Drain the fuel tank and the carburetor

To drain the fuel tank:

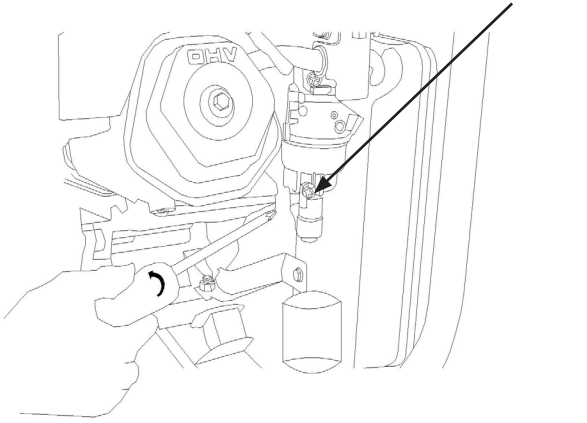
a) Turn the engine switch OFF
b) Remove the fuel tank cap and the debris screen under the cap
c) Turn the fuel valve ON, start the generator and operate it in the idle position
d) Empty the fuel tank using a siphon and an approved gasoline container and the engine will stop automatically when fuel runs out.

To drain the carburetor:

a) Turn the engine switch OFF
b) Turn the fuel valve ON
c) Position a suitable container under the carburetor drain screw to catch fuel; loosen the screw
d) Allow fuel to drain completely into container

e) Retighten drain screw. Refer to Fig. 5.5

Fig. 5.5



CAUTION
Store the battery in a dry place and recharge it once a month. Do not store the battery in an excessively warm or cold place.

6. TROUBLESHOOTING

The following table is a troubleshooting guide for diagnosing the generator set. If these recommendations cannot solve the problem, please contact our service center.

⚠ WARNING

Many troubleshooting procedures present hazards which can result in severe personal injury or death. Only trained and experienced service personnel with knowledge of fuels, electricity, and machinery hazards should perform service procedures. Review Safety Precautions.

A hot generator can cause severe burns. Always allow the generator set to cool before performing any maintenance service.

Engine Troubleshooting:

If engine won't start, low engine output and engine run erratically

For insufficient compression:

Probable Cause	Corrective Action
Loose spark plug	Tighten plug properly
Loose cylinder head bolt	Tighten bolt properly
Damaged gasket	Replace gasket

If the compression is sufficient:

Probable Cause	Corrective Action
No fuel supplied to combustion chamber, insufficient pulling speed for starting rope	Pull rope sharply
No fuel supplied to combustion chamber, foreign matter in fuel tank	clean tank

No fuel supplied to combustion chamber, clogged fuel line	clean fuel line with dealer's advice
No fuel supplied to combustion chamber, no fuel in tank	supply fuel
fuel shut off not open	Open valve
Combustion chamber supplied with fuel, improper spark, spark plug dirty with carbon or wet with fuel	Remove carbon or wipe up spark plug
Combustion chamber supplied with fuel, improper spark, damaged spark plug	Replace spark plug
Combustion chamber supplied with fuel, proper spark, improper adjustment of carburetor	Consult dealer
Combustion chamber supplied with fuel, proper spark, insufficient pulling speed for starting rope	Pull rope sharply
Improper grade of fuel used	check fuel
Overloading	Check the working condition
Overheating	Check the working condition

Generator Troubleshooting:

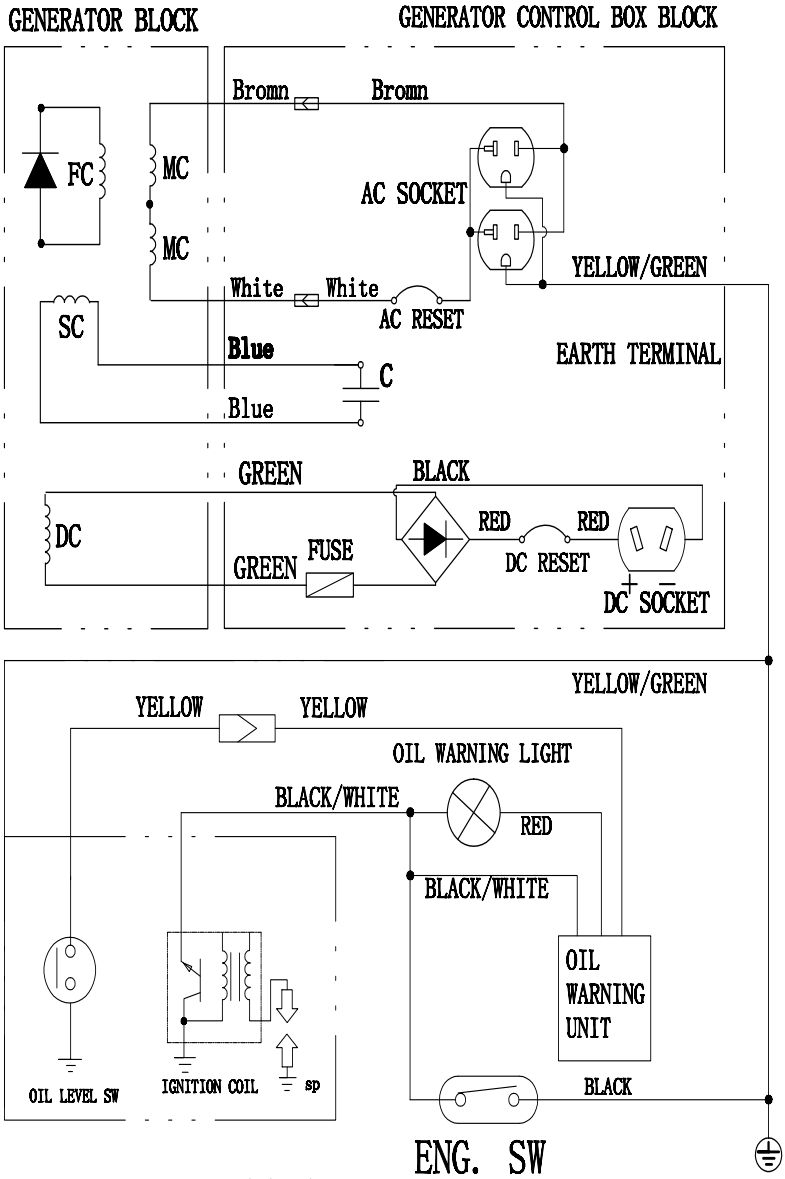
Condition	**Probable Cause**	**Corrective Action**
Indicator light ON, No AC output	Tripped circuit breaker	Reset
	Poor Connection or faulty load	Check and Repair
	Broken Receptacle	Check and Repair
	Faulty circuit breaker	Check and Repair
Indicator light OFF, no AC output	Generator problem	Check and Repair
Indicator light OFF, no DC output	Tripped circuit breaker	Reset
	Poor connection or faulty DC power cord	Check and Repair
	Generator Problem	Consult Dealer

Output power available, abnormality exists	Engine RPM set too high or low	No load for 60Hz, set 3780 rpm, No load for 50 Hz set 3150 rpm
	Loose component	Locate and tighten
	Internal generator problem	Consult dealer

7. SPECIFICATIONS AND DATA

	HHD1250	
GENERATOR	Rated frequency (Hz)	60Hz
	Rated AC Output Power (kW)	1.00
	Max AC Output Power (kW)	1.25
	1-Phase Rated AC Voltage (V)	120
	Power Factor	1.0
ENGINE	Type	Single, 4-Stroke, Air-cooled, OHV
	Displacement (cm^3)	80cc
	Ignition model	T.C.I.
	Starting model	Recoil Start
	Max. Output (kW/rpm)	1.7/3600
	Fuel tank capacity (L)	4.8
	Oil capacity (L)	0.4 (15W40 Oil)
	Duration of Runs (Hours)	6.0
	L x W x H (mm)	465 x 370 x 400
	Dry Weight (Kg)	26

8. WIRING DIAGRAMS



9. WARRANTY

Canadian distribution of Hyundai branded Portable generators are distributed by:

Midland International
26 Huddersfield Rd.
Unit #2
M9W-5Z6 Canada

This product is warranted to be free of defects in material and workmanship for two years from date of purchase. This warranty guarantees that any defective parts will be repaired or replaced at no cost, including diagnosis and replacement parts.

Limited Warranty periods:

Recreational/residential use: 2 years limited. 1st year, parts and labor. 2nd year parts only.

Commercial use: 6 months limited, parts and labor

This limited warranty begins at the initial time of retail purchase and covers manufacturer's defects caused by a defect in components or workmanship during the two (2) Year period. The warranty coverage is continual from the initial date of purchase and does not restart at anytime under any circumstances. This limited warranty is valid for residential or recreational applications only and only when the generator receives all necessary preventative maintenance as described in the Hyundai Generators "Operation Manual. The repair or replacement of a generator will take place within a reasonable period of time during normal business hours.
All repair and replacement parts shall be warranted for (90) days after the initial date of installation or purchase.

Limitation of Remedies and Disclaimers

Midland International Inc. disclaims any responsibility for loss of time or use of the generator in a recreational vehicle or any vehicle in which the generator is installed, transportation, commercial loss, or any other incidental or consequential damage. Any implied warranties are limited to the duration of this written warranty. THE FOREGOING LIMITED WARRANTY IS EXCLUSIVE OF AND IN LIEU OF ALL OTHER WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND OF ANY OTHER

WARRANTY WHETHER EXPRESS OR IMPLIED.

Consumable parts, such as oil or fuel filters, fuel cut off valve, brushes, fuel injection nozzle valve, lubricant, or ignition plug, are not covered under this warranty. All expenses incurred in maintaining and replacing parts for generator shall fall on the purchaser. This warranty coverage does not include parts affected by accident and/or collision, corrosion or rust, normal wear, incorrect fuel type or fuel contamination, use in an application for which the product was not intended, unauthorized service, or any other misuse, neglect, incorporation or use of unsuitable attachments or parts Damage to voltage regulators caused by failure to ground, shorting or overloading will not be covered under this warranty. Under this Warranty, we do not have the obligation to bear any transportation fees of any product to/from an authorized Warranty Center. Unauthorized alteration, installation or any cause other than defects in material or workmanship of the product will not be covered under the warranty.

Exclusions

Not Covered by this Limited Warranty:
1) Normal engine/alternator wear;
2) Damage caused by lack of maintenance as described in the Hyundai manuals, or negligence by using improper or impure motor oil, coolant, or fuel;
3) Damage caused by accidents, improper installation or storage;
4) Damage caused by water ingestion, submersion, or external water damage;
5) Damage or non-performance caused by operation of the generator set in a marine application;
6) Damage caused by operation with improper fuel, or at speeds, loads, conditions, or modifications contrary to published specifications.
7) Items not supplied by Hyundai, including, but not limited to; starting batteries, battery cables, external wiring, fuel lines, filters, etc;(refer to exclusions)
8) Repairs made during the warranty period, without first obtaining a case number from Hyundai

Batteries supplied with any generator product should be considered a bonus item and not covered by warranty. Batteries can be damaged by shock, shorting terminals, heat, acid spillage and a number of other factors that cannot be controlled after they have left our facility. It is the customer's responsibility to take great care when handling a battery so no spillage of acid will occur and cause corrosion; damage caused by battery acid is not covered under this

warranty.

Product Registration
Product registration is required for product support and warranty coverage.
The owner's registration found in the user manual can be completed and mailed. You can also register Online at www.hyundaipower.ca. You should keep your receipt for proof of purchase.

Warranty Claim Procedure:
Warranty service must be performed by one of our authorized service dealers. If you feel your generator is malfunctioning due to a defect or misuse, simply contact our customer support center for technical advice, a warranty claim or general information.

Do not return your generator to the place of purchase for repair. MIDLAND INTERNATIONAL INC. SHOULD BE CONTACTED TO PROVIDE A CASE NUMBER BEFORE WARRANTY WORK CAN BEGIN.

To obtain warranty service:
Contact our customer support centre:
Toll free: 1-877-528-3772
E-mail: support@Hyundaipower.ca
Website: Hyundaipower.ca

10. GLOSSARY

Air Filter- It removes dust from engine intake air.

Carburetor- A device used to properly mix fuel and air in the correct proportions and delivering the mixture into the engine's combustion chamber.

Choke Lever- It is used to provide proper starting mixture when the engine is cold. The choke lever must be pulled out to ON position when starting a cold engine.

Circuit Breaker- It protects circuits from being damaged due to overload or short circuit by stopping the flow of electricity between the generator and device.

Dipstick- It seals off engine oil fill hole and is used for indicating the engine oil level.

Drain Plug- A plug that can be removed to allow the fluid contents of the engine to be drained off.

Fuel Cock- A tap which can allow or restrict the flow of gasoline from the gas tank to the carburetor.

Fuel Valve- It controls flow of fuel from fuel tank to carburetor.

Ground Terminal- It connects generator to ground wire for grounding protection.

Pilot light- A small flame used to ignite gas at a burner.

Recoil Starter- A pull cord is attached to the engine and you pull the T-handle attached to the starter cord assembly to spin the flywheel and start the engine.

Reset Switch- A switch which puts the configuration of a component back to its standard setting.

Sediment Cup- A cup for storing sediments

Selector Switch- A switch that is used to select among alternatives.

Spark Plug- A device screwed into the combustion chamber of a

spark ignition engine. The plug supplied the spark that ignites the air/fuel mixture so that combustion can occur.

Please complete and mail the form below,
or register online by visiting our website:
www.Hyundaipower.ca

HYUNDAI

Personal Information

First name: _____

Last name: _____

Address: _____

City: _____ Postal code: _____

Province: _____

Product Information

Model name: _____

Serial number: _____

Date of purchase: Y _____ M _____ D _____

Questionnaire

Store name and number: _____

Purchase price: _____

Why our generator?

- ☐ Price
- ☐ Ease of use
- ☐ Power rating
- ☐ Brand
- ☐ Portability
- ☐ Appearance

Questionnaire

How did you find out about us

☐ In-Store ☐ Internet ☐ Print
☐ Radio/TV ☐ Store flyer ☐ Word of mouth

Primary usage

☐ Recreational ☐ Emergency ☐ Tools

Primary location of usage

☐ Home ☐ Work

Gender

☐ Male ☐ Female

Martial status

☐ Married ☐ Single

Martial status

☐ Male ☐ Female

Date of birth

Y _____ M _____ D _____

Questionnaire

Number of people in household

☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5 _____ other

Primary residence

☐ Own ☐ Rent

Education

☐ Partial Secondary ☐ Full Secondary ☐ University ☐ College

Household income (thousand) _____

Primary method of purchasing items

☐ In-Store ☐ Online ☐ TV ☐ Mail order

Please Mail to:

Midland International
26 Huddersfield Rd.
Unit #2
Etobicoke, Ontario
M9W 5Z6 Canada

Online registration at:
www.Hyundaipower.ca